

60/094,676

(Application Number)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled Inhibitors of HIV Membrane Fusion the specification of which (check one) is attached hereto. [] [X] was filed on December 21, 2000 as United States Application Number or PCT International Application No. __ (if applicable). and was amended on _ I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed: Prior Foreign Application(s) Priority Certified Not Copy Filed? Claimed YEŚ NO (Number) (Country) (Day/Month/Year filed) (Number) (Day/Month/Year filed) (Country) I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. 60/132,295 (Application Number) (Filing Date) 60/101,058 September 18, 1998 (Filing Date) (Application Number) 60/100,265 September 14, 1998 (Application Number) (Filing Date)

July 30, 1998

(Filing Date)

PCT/US99/17351		30 July 1999	Published
Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
As a named in Hamilton, Brook, Smi Customer No. 210	th & Reyno	reby appoint the attorneys a blds, P.C., Two Militia Dr	ind/or agents associated with ive, Lexington, Massachusetts 02421-4799
		, Registration No. 32,227, Cambridge, Massachuse	of Whitehead Institute for Biomedical Research, tts 02142,
o prosecute this application	- ation and to	transact all business in the	Patent and Trademark Office connected therewith.
Please send corresp	ondence to):	
•		21005	
[X] Customer No.	•		SMITH & REYNOLDS, P.C. 799
		HAMILTON, BROOK, Two Militia Drive	·
or [] Address as foll	lows:	HAMILTON, BROOK, Two Militia Drive	·
or [] Address as foll Direct telepho	lows:	HAMILTON, BROOK, Two Militia Drive Lexington, MA 02421-4	799
or [] Address as foll Direct telephore Direct facsimil I hereby declare on information and belich that willful false statem	ne calls to: les to: re that all st ef are believents and the United State	HAMILTON, BROOK, Two Militia Drive Lexington, MA 02421-4' Anne J. Collins, Esq. Anne J. Collins, Esq. atements made herein of my yed to be true; and further the like so made are punishables Code and that such willful	Telephone No.: 781-861-6240
or [] Address as following Direct telephone Direct facsimile I hereby declar on information and belicate willful false statem 1001 of Title 18 of the	ne calls to: les to: re that all st ef are believents and the United State	HAMILTON, BROOK, Two Militia Drive Lexington, MA 02421-4' Anne J. Collins, Esq. Anne J. Collins, Esq. atements made herein of my yed to be true; and further the like so made are punishables Code and that such willful	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 y own knowledge are true and that all statements made hat these statements were made with the knowledge e by fine or imprisonment, or both, under Section
or [] Address as foll Direct telephor Direct facsimil I hereby declar on information and belicate willful false statem 1001 of Title 18 of the application or any pater	lows: les to: re that all st ef are believents and the United State at issued the	Anne J. Collins, Esq. Anne J. Collins, Esq. Anne J. Collins, Esq. atements made herein of my yed to be true; and further the like so made are punishables Code and that such willfureon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 y own knowledge are true and that all statements made hat these statements were made with the knowledge e by fine or imprisonment, or both, under Section all false statements may jeopardize the validity of the
or [] Address as foll Direct telephon Direct facsimil I hereby declar on information and belichat willful false statem 1001 of Title 18 of the application or any pater	lows: les to: re that all st ef are believents and the United State at issued the	Anne J. Collins, Esq. Anne J. Collins, Esq. Anne J. Collins, Esq. atements made herein of my yed to be true; and further the like so made are punishables Code and that such willfureon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 y own knowledge are true and that all statements made hat these statements were made with the knowledge e by fine or imprisonment, or both, under Section
or [] Address as followed by the property of	ne calls to: les to: re that all st ef are believents and the United State at issued the	Anne J. Collins, Esq. Anne J. Collins, Esq. Anne J. Collins, Esq. atements made herein of my yed to be true; and further the like so made are punishables Code and that such willfureon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 y own knowledge are true and that all statements made hat these statements were made with the knowledge e by fine or imprisonment, or both, under Section all false statements may jeopardize the validity of the
Or [] Address as following price telephone Direct facsimile on information and believe that willful false statem [001 of Title 18 of the application or any pater or first inventor	ne calls to: les to: re that all st ef are believents and the United State at issued the Debra M Multa 1622 M Cambrid	Anne J. Collins, Esq. Anne J. Collins, Esq. Anne J. Collins, Esq. atements made herein of my wed to be true; and further the like so made are punishables Code and that such willfureon. A. Eckert M. Eckert	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 y own knowledge are true and that all statements made hat these statements were made with the knowledge e by fine or imprisonment, or both, under Section all false statements may jeopardize the validity of the
or [] Address as followed by the property of	ne calls to: les to: re that all st ef are believents and the United State at issued the Debra M Multa 1622 M Cambrid USA	Anne J. Collins, Esq. Anne J. Collins, Esq. Anne J. Collins, Esq. atements made herein of my ved to be true; and further the like so made are punishables Code and that such willfureon. A. Eckert M. Eckert assachusetts Avenue	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 y own knowledge are true and that all statements made hat these statements were made with the knowledge e by fine or imprisonment, or both, under Section all false statements may jeopardize the validity of the

Full name of second jo	pint	
inventor, if any	David C. Chan	
Inventor's Signature		Date
Residence	503 West Wistaria Avenue	
	Arcadia, California 91007	44
Citizenship	USA	
Mailing Address	Same as above	
Full name of third join	ıt	
inventor, if any	Vladimir Malashkevich	
Inventor's Signature		Date
Residence	17 Hancock Street	
	Somerville, Massachusetts 02144	W4 #4/-
Citizenship	Russian Federation	
Mailing Address	Same as above	
Full name of fourth jo	int	
Full name of fourth join inventor, if any	•	
inventor, if any	Peter A. Carr	Date
inventor, if any	Peter A. Carr	
inventor, if any	Peter A. Carr	- 14-14-14-14-14-14-14-14-14-14-14-14-14-1
inventor, if any Inventor's Signature Residence	Peter A. Carr 463 Putnam Avenue, Apt. 1 Cambridge, Massachusetts 02139	- 14-14-14-14-14-14-14-14-14-14-14-14-14-1
inventor, if any	Peter A. Carr 463 Putnam Avenue, Apt. 1 Cambridge, Massachusetts 02139 USA	
inventor, if any Inventor's Signature Residence Citizenship Mailing Address	Peter A. Carr 463 Putnam Avenue, Apt. 1 Cambridge, Massachusetts 02139 USA Same as above	
inventor, if any Inventor's Signature Residence Citizenship Mailing Address	Peter A. Carr 463 Putnam Avenue, Apt. 1 Cambridge, Massachusetts 02139 USA Same as above	
inventor, if any Inventor's Signature Residence Citizenship Mailing Address Full name of fifth join inventor, if any	Peter A. Carr 463 Putnam Avenue, Apt. 1 Cambridge, Massachusetts 02139 USA Same as above t Peter S. Kim	
inventor, if any Inventor's Signature Residence Citizenship Mailing Address Full name of fifth join inventor, if any Inventor's Signature	Peter A. Carr 463 Putnam Avenue, Apt. 1 Cambridge, Massachusetts 02139 USA Same as above t Peter S. Kim	
inventor, if any Inventor's Signature Residence Citizenship Mailing Address Full name of fifth join inventor, if any Inventor's Signature	Peter A. Carr 463 Putnam Avenue, Apt. 1 Cambridge, Massachusetts 02139 USA Same as above t Peter S. Kim	
inventor, if any Inventor's Signature Residence Citizenship Mailing Address Full name of fifth join	Peter A. Carr 463 Putnam Avenue, Apt. 1 Cambridge, Massachusetts 02139 USA Same as above t Peter S. Kim 48 Baskin Road Lexington, Massachusetts 02420	

::ODMA\MHODMA\iManage;212404;1



(Application Number)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled Inhibitors of HIV Membrane Fusion the specification of which (check one) is attached hereto. [] [X] was filed on December 21, 2000 as United States Application Number or PCT International Application No._ 09/746,742 (if applicable). and was amended on _ I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. \$1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed: Prior Foreign Application(s) **Priority** Certified Not Copy Filed? Claimed YEŚ NO (Number) (Country) (Day/Month/Year filed) (Day/Month/Year filed) (Number) (Country) I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. 60/132,295 (Filing Date) (Application Number) 60/101,058 September 18, 1998 (Filing Date) (Application Number) September 14, 1998 (Filing Date) (Application Number) 60/094,676

(Filing Date)

PCT/US99/17351	30 July 199	9 Published
(Application Serial No.)		(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
Hamilton, Brook, Smit Customer No. 2100	05,	Drive, Lexington, Massachusetts 02421-4799
and Patricia Gran Nine Cambrid	ahan, Esq., Registration No. 32,2 lge Center, Cambridge, Massach	227, of Whitehead Institute for Biomedical Research, usetts 02142,
		the Patent and Trademark Office connected therewith.
Please send corresp	oondence to:	
[X] Customer No.	HAMILTON, BROC Two Militia Drive	OK, SMITH & REYNOLDS, P.C.
[X] Customer No.	HAMILTON, BROC	·
. ,	HAMILTON, BROC Two Militia Drive Lexington, MA 0242	·
or	HAMILTON, BROC Two Militia Drive Lexington, MA 0242	·
or [] Address as foll	HAMILTON, BROC Two Militia Drive Lexington, MA 0242	21-4799
or [] Address as foll Direct telephore	HAMILTON, BROCTWO Militia Drive Lexington, MA 0242 lows: ne calls to: Anne J. Collins, Esq.	Telephone No.: 781-861-6240
or [] Address as foll Direct telephore	HAMILTON, BROC Two Militia Drive Lexington, MA 0242	21-4799
or [] Address as foll Direct telephor Direct facsimil I hereby declar on information and belicthat willful false statements	HAMILTON, BROCTWO Militia Drive Lexington, MA 0242 lows: The calls to: Anne J. Collins, Esq. The that all statements made herein of the fare believed to be true; and furthents and the like so made are punisunited States Code and that such we have the made of the states of the st	Telephone No.: 781-861-6240
or [] Address as foll Direct telephor Direct facsimil I hereby declar on information and belicthat willful false statemed 1001 of Title 18 of the 18	HAMILTON, BROCTWO Militia Drive Lexington, MA 0242 lows: The calls to: Anne J. Collins, Esq. The that all statements made herein of the fare believed to be true; and furthents and the like so made are punisunited States Code and that such we have the made of the states of the st	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 of my own knowledge are true and that all statements made her that these statements were made with the knowledge hable by fine or imprisonment, or both, under Section
or [] Address as foll Direct telephor Direct facsimil I hereby declar on information and belicthat willful false statement 1001 of Title 18 of the lapplication or any pater	HAMILTON, BROCTWO Militia Drive Lexington, MA 0242 lows: The calls to: Anne J. Collins, Esq. The that all statements made herein of the fare believed to be true; and furthents and the like so made are punisunited States Code and that such we have the made of the states of the st	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 of my own knowledge are true and that all statements made her that these statements were made with the knowledge hable by fine or imprisonment, or both, under Section
or [] Address as foll Direct telephor Direct facsimil I hereby declar on information and beliethat willful false statemed 1001 of Title 18 of the Mapplication or any pater Full name of sole or first inventor	HAMILTON, BROCTWO Militia Drive Lexington, MA 0242 Hows: The calls to: Anne J. Collins, Esq. Hes to: Anne J. Collins, Esq. The that all statements made herein of the fare believed to be true; and furthents and the like so made are punisum to the like so made are punisum to the like so made and that such was the same of the like so made and the like so made are punisum to save the like save the like so made are punisum to save the like save	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 of my own knowledge are true and that all statements made her that these statements were made with the knowledge hable by fine or imprisonment, or both, under Section
Or [] Address as foll Direct telephor Direct facsimil I hereby declar on information and belicthat willful false statement 1001 of Title 18 of the lapplication or any pater Full name of sole or first inventor Inventor's Signature	HAMILTON, BROCTWO Militia Drive Lexington, MA 0242 lows: The calls to: Anne J. Collins, Esq. The test to: Anne J. Collins, Esq. The test all statements made herein of the eff are believed to be true; and furthents and the like so made are punisus. United States Code and that such was it issued thereon. Debra M. Eckert	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 If my own knowledge are true and that all statements made are that these statements were made with the knowledge hable by fine or imprisonment, or both, under Section willful false statements may jeopardize the validity of the
Or [] Address as foll Direct telephor Direct facsimil I hereby declar on information and belicthat willful false statemed 1001 of Title 18 of the lapplication or any pater. Full name of sole	HAMILTON, BROCTWO Militia Drive Lexington, MA 0242 lows: The calls to: Anne J. Collins, Esq. The test to: Anne J. Collins, Esq. The test all statements made herein of the eff are believed to be true; and furthents and the like so made are punisus. United States Code and that such was it issued thereon. Debra M. Eckert	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 of my own knowledge are true and that all statements made have that these statements were made with the knowledge hable by fine or imprisonment, or both, under Section willful false statements may jeopardize the validity of the
Or [] Address as foll Direct telephor Direct facsimil I hereby declar on information and belicthat willful false statement 1001 of Title 18 of the lapplication or any pater Full name of sole or first inventor Inventor's Signature	HAMILTON, BROCTWO Militia Drive Lexington, MA 0242 lows: The calls to: Anne J. Collins, Esq. The test to: Anne J. Collins, Esq. The test all statements made herein of the eff are believed to be true; and furthents and the like so made are punisum to the like so made are punisum to the states Code and that such was at issued thereon. Debra M. Eckert 1622 Massachusetts Avenue Cambridge, Massachusetts 021	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 of my own knowledge are true and that all statements made have that these statements were made with the knowledge hable by fine or imprisonment, or both, under Section willful false statements may jeopardize the validity of the

Full name of second joint	t	
inventor, if any	David C. Chan	
Inventor's Signature	David Char	Date 6/1/01
Residence	503 West Wistaria Avenue	
	Arcadia, California 91007	
Citizenship	USA	
Mailing Address	Same as above	
Full name of third joint		
inventor, if any	Vladimir Malashkevich	
Inventor's Signature		Date
Residence	17 Hancock Street	· · · · · · · · · · · · · · · · · · ·
	Somerville, Massachusetts 02144	
Citizenship	Russian Federation	
Mailing Address	Same as above	
Full name of fourth joint		
inventor, if any	Peter A. Carr	
Inventor's Signature		Date
Residence	463 Putnam Avenue, Apt. 1	200
	Cambridge, Massachusetts 02139	
Citizenship	USA	
Mailing Address	Same as above	14.
Full name of fifth joint		
inventor, if any	Peter S. Kim	
Inventor's Signature		Date
Residence	48 Baskin Road	
	Lexington, Massachusetts 02420	
Citizenship		
Mailing Address		
.00000000000000000000000000000000000000	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	

 $:: ODMA \ MHODMA \ iManage; 212404; 1$



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled . Inhibitors of HIV Membrane Fusion the specification of which (check one) [] is attached hereto. [X] was filed on December 21, 2000 __ as United States Application Number or PCT International Application No. 09/746,742 and was amended on _ __ (if applicable). I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed: Certified Prior Foreign Application(s) Priority Not Copy Filed? Claimed YES [] (Day/Month/Year filed) (Country) (Number) (Number) (Country) (Day/Month/Year filed) I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. 60/132,295 May 3, 1999 (Filing Date) (Application Number) 60/101,058 September 18, 1998 (Application Number) (Filing Date) September 14, 1998 60/100,265 (Filing Date) (Application Number) 60/094,676 July 30, 1998 (Filing Date) (Application Number)

PCT/US99/17351	30 July 1999	Published
(Application Serial No.	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.	(Filing date)	(Status: patented, pending, abandoned)
As a named in Hamilton, Brook, Smi Customer No. 210		s and/or agents associated with Orive, Lexington, Massachusetts 02421-4799
and Patricia Gran	nahan, Esq., Registration No. 32,22 dge Center, Cambridge, Massachus	7, of Whitehead Institute for Biomedical Research, setts 02142,
•		ne Patent and Trademark Office connected therewith.
Please send corresp	pondence to:	
[X] Customer No.	. 21005 HAMILTON, BROOK Two Militia Drive Lexington, MA 02421-	K, SMITH & REYNOLDS, P.C.
OT.		
or [] Address as follows:	lows:	
[] Address as fol	lows: ne calls to: _Anne J. Collins, Esq.	Telephone No.: 781-861-6240
[] Address as followed Direct telephone		
Direct telephon Direct facsimi I hereby declar on information and belithat willful false statem	ne calls to: Anne J. Collins, Esq. les to: Anne J. Collins, Esq. re that all statements made herein of the fare believed to be true; and further tents and the like so made are punishal United States Code and that such will	Telephone No.: 781-861-6240
Direct telepho Direct facsimi I hereby decla on information and beli that willful false statem 1001 of Title 18 of the	ne calls to: Anne J. Collins, Esq. les to: Anne J. Collins, Esq. re that all statements made herein of the fare believed to be true; and further tents and the like so made are punishal United States Code and that such will	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made that these statements were made with the knowledge able by fine or imprisonment, or both, under Section
Direct telepho Direct facsimi I hereby decla on information and beli that willful false statem 1001 of Title 18 of the application or any pater	ne calls to: Anne J. Collins, Esq. les to: Anne J. Collins, Esq. re that all statements made herein of the fare believed to be true; and further tents and the like so made are punishal United States Code and that such will	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made that these statements were made with the knowledge able by fine or imprisonment, or both, under Section
Direct telephon Direct facsimi I hereby declar on information and belifthat willful false statem 1001 of Title 18 of the application or any pater Full name of sole or first inventor	ne calls to: _Anne J. Collins, Esq. les to:Anne J. Collins, Esq. re that all statements made herein of rief are believed to be true; and further tents and the like so made are punisha United States Code and that such wilnt issued thereon. Debra M. Eckert	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made that these statements were made with the knowledge able by fine or imprisonment, or both, under Section
Direct telephon Direct facsimi I hereby declar on information and belifthat willful false statem 1001 of Title 18 of the application or any pater Full name of sole or first inventor	ne calls to: _Anne J. Collins, Esq. les to:Anne J. Collins, Esq. re that all statements made herein of rief are believed to be true; and further tents and the like so made are punisha United States Code and that such wilnt issued thereon. Debra M. Eckert	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made that these statements were made with the knowledge able by fine or imprisonment, or both, under Section lful false statements may jeopardize the validity of the
Direct telepho Direct facsimi I hereby declar on information and belithat willful false statem 1001 of Title 18 of the application or any pater Full name of sole or first inventor Inventor's Signature	ne calls to: _Anne J. Collins, Esq. les to:Anne J. Collins, Esq. re that all statements made herein of rief are believed to be true; and further tents and the like so made are punisha United States Code and that such wilnt issued thereon. Debra M. Eckert	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made that these statements were made with the knowledge ble by fine or imprisonment, or both, under Section lful false statements may jeopardize the validity of the
Direct telepho Direct facsimi I hereby declar on information and belithat willful false statem 1001 of Title 18 of the application or any pater Full name of sole or first inventor Inventor's Signature	ne calls to:Anne J. Collins, Esq. les to:Anne J. Collins, Esq. re that all statements made herein of rief are believed to be true; and further tents and the like so made are punisha United States Code and that such wilnt issued thereon. Debra M. Eckert 1622 Massachusetts Avenue Cambridge, Massachusetts 02139	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made that these statements were made with the knowledge lible by fine or imprisonment, or both, under Section liful false statements may jeopardize the validity of the

Full name of second joint	t		
inventor, if any	David C. Chan		
Inventor's Signature		_ Date _	<u> </u>
Residence	503 West Wistaria Avenue		
	Arcadia, California 91007		
Citizenship	USA		
Mailing Address	Same as above		
Full name of third joint			
inventor, if any	Vladimir Malashkeyich //		
Inventor's Signature	Vladimir Malashkeyich	_ Date _	4/23/01
Residence	17 Hancock Street 12A PARK Road		
	THE THE PERMIT MACOU	78	
Citizenship	Russian Federation		· · · · · · · · · · · · · · · · · · ·
Mailing Address	Same as above	·-,	
Full name of fourth joint			
inventor, if any	Peter A. Carr		
Inventor's Signature		_ Date _	
Residence	463 Putnam Avenue, Apt. 1		
	Cambridge, Massachusetts 02139		
Citizenship	USA		
Mailing Address	Same as above		
Full name of fifth joint			
inventor, if any	Peter S. Kim		
		_ Date _	
Residence			
	Lexington, Massachusetts 02420		
Citizenship	USA		
Mailing Address	Same as above		-,,



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

	Inhibitors of HIV	Membrane Fusion									
the spe	ecification of which	(check one)				<u>-</u>					
[]	is attached hereto).									
[X]	was filed onD	ecember 21, 2000		_ as United Sta	ites Applic	cation	ı				
	Number or PCT l	International Applic	ation No	09/746,74	2		 -				
	and was amended	l on	(if applicab	le).							
includ		t I have reviewed an nended by any amen			f the above	e-ider	ntified	spec	ificat	ion,	
§1.56, filing of applica	including for continuate of the prior app	e duty to disclose in mation-in-part appli lication and the nati	cations, mate	erial information	n which be	came	avail	able	betw	een tl	.R. 1e
country any for	ent or inventor's cer y other than the Uni reign application for	reign priority benefit tificate, or 365(a) or ted States of Americ patent or inventor's lication on which pr	f any PCT in ca, listed belo s certificate,	ternational appl ow and have als or of any PCT i	ication who identifie	uch d d bel	lesigna	ited a	at lea: cking	st one	box,
		<u>P</u> 1	rior Foreign	Application(s)		N	ority ot imed		Cert Copy ES		l? IO
(Numb	er)	(Country)	(Day/	Month/Year file	ed)	[]	[]	[]
(Numb	er)	(Country)	(Day/	Month/Year file	ed)	[]	[1	[]
I hereb	y claim the benefit	under 35 U.S.C. §11	19(e) of any	United States p	ovisional	appli	cation	(s) li	sted l	oelow	/ .
(A 11	60/132,295		(Pili	May 3, 199	9						
(Appii	cation Number)		(FIII	υ,							
(Appli	60/101,058 cation Number)		(Fili	September ng Date)	18, 1998						<u> </u>
(Appli	60/100,265 cation Number)		(Fili	September ng Date)	14, 1998						
(Appli	60/094,676 cation Number)		(Fili	July 30, 19 ng Date)	98						

PCT/US99/17351	30 July 1999	
(Application Serial No.	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.	(Filing date)	(Status: patented, pending, abandoned)
As a named in Hamilton, Brook, Smi Customer No. 210		rs and/or agents associated with Drive, Lexington, Massachusetts 02421-4799
and Patricia Gran	ahan, Esq., Registration No. 32,22 Ige Center, Cambridge, Massachu	27, of Whitehead Institute for Biomedical Research, setts 02142.
	-	he Patent and Trademark Office connected therewith.
Please send corresp		
	#100J	
[X] Customer No.		K, SMITH & REYNOLDS, P.C.
[A] Customer No.	HAMILTON, BROOI Two Militia Drive Lexington, MA 02421	,
or	Two Militia Drive	,
	Two Militia Drive Lexington, MA 02421	,
or	Two Militia Drive Lexington, MA 02421	,
or [] Address as fol	Two Militia Drive Lexington, MA 02421	,
or [] Address as foll Direct telepho	Two Militia Drive Lexington, MA 02421 lows:	-4799
or [] Address as foll Direct telepho	Two Militia Drive Lexington, MA 02421 lows: ne calls to: Anne J. Collins, Esq.	-4799 Telephone No.: 781-861-6240
or [] Address as folk Direct telephone Direct facsimil I hereby declar on information and belicated that willful false statements.	Two Militia Drive Lexington, MA 02421 lows: ne calls to: Anne J. Collins, Esq. es to: Anne J. Collins, Esq. re that all statements made herein of ef are believed to be true; and furthe ents and the like so made are punish United States Code and that such will	-4799 Telephone No.: 781-861-6240
or [] Address as folk Direct telephone Direct facsimilation information and belicated by the control of the	Two Militia Drive Lexington, MA 02421 lows: ne calls to: Anne J. Collins, Esq. es to: Anne J. Collins, Esq. re that all statements made herein of ef are believed to be true; and furthe ents and the like so made are punish United States Code and that such will	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made r that these statements were made with the knowledge able by fine or imprisonment, or both, under Section
or [] Address as fold Direct telephore Direct facsimily I hereby declare on information and belicated that willful false statem 1001 of Title 18 of the capplication or any pater	Two Militia Drive Lexington, MA 02421 lows: ne calls to: Anne J. Collins, Esq. es to: Anne J. Collins, Esq. re that all statements made herein of ef are believed to be true; and furthe ents and the like so made are punish United States Code and that such will	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made r that these statements were made with the knowledge able by fine or imprisonment, or both, under Section
or [] Address as fold Direct telephon Direct facsimily I hereby declar on information and belifthat willful false statem 1001 of Title 18 of the application or any pater Full name of sole or first inventor	Two Militia Drive Lexington, MA 02421 lows: The calls to: Anne J. Collins, Esq. The test all statements made herein of the fare believed to be true; and furthe tents and the like so made are punished. United States Code and that such will the insued thereon. Debra M. Eckert	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made r that these statements were made with the knowledge able by fine or imprisonment, or both, under Section
or [] Address as fold Direct telephoral Direct facsimily I hereby declar on information and belifted that willful false statem 1001 of Title 18 of the application or any pater Full name of sole or first inventor	Two Militia Drive Lexington, MA 02421 lows: The calls to: Anne J. Collins, Esq. The test all statements made herein of the fare believed to be true; and furthe tents and the like so made are punished. United States Code and that such will the insued thereon. Debra M. Eckert	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made r that these statements were made with the knowledge able by fine or imprisonment, or both, under Section llful false statements may jeopardize the validity of the
or [] Address as fold Direct telephoral Direct facsimily I hereby declar on information and belifted that willful false statem 1001 of Title 18 of the application or any pater Full name of sole or first inventor	Two Militia Drive Lexington, MA 02421 lows: ne calls to: Anne J. Collins, Esq. es to: Anne J. Collins, Esq. re that all statements made herein of ef are believed to be true; and furthe ents and the like so made are punishaunited States Code and that such will it issued thereon. Debra M. Eckert	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made r that these statements were made with the knowledge able by fine or imprisonment, or both, under Section llful false statements may jeopardize the validity of the
or [] Address as fold Direct telephoral Direct facsimily I hereby declar on information and belifted that willful false statem 1001 of Title 18 of the application or any pater Full name of sole or first inventor	Two Militia Drive Lexington, MA 02421 lows: ne calls to: Anne J. Collins, Esq. es to: Anne J. Collins, Esq. re that all statements made herein of eff are believed to be true; and furthe ents and the like so made are punisha United States Code and that such will it issued thereon. Debra M. Eckert 1622 Massachusetts Avenue Cambridge, Massachusetts 02139	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made r that these statements were made with the knowledge able by fine or imprisonment, or both, under Section liful false statements may jeopardize the validity of the

Full name of second join	int
inventor, if any	David C. Chan
Inventor's Signature	Date
Residence	503 West Wistaria Avenue
	Arcadia, California 91007
Citizenship	USA
Mailing Address	Same as above
Full name of third joint	
inventor, if any	Vladimir Malashkevich
Inventor's Signature	Date
Residence	17 Hancock Street
	Somerville, Massachusetts 02144
Citizenship	Russian Federation
Mailing Address	Same as above
Full name of fourth join	ut
Full name of fourth join inventor, if any	Peter A. Carr
inventor, if any	Peter A. Carr Putly Carr Date 8/3/01
inventor, if any	Peter A. Carr Putly Carr Date 8/3/01
inventor, if any	Peter A. Carr Putly Carr Date 8/3/01
inventor, if any Inventor's Signature Residence	Peter A. Carr Retty Can Date 8/3/01 463 Putnam Avenue Apt. 1 37 Ivalso St. Apt. 2 Gambridge, Massachusetts 02139 Some ville, MA 02143
Inventor's Signature Residence Citizenship	Peter A. Carr Retty Can Date 8/3/01 463 Putnam Avenue Apt. 1 37 Ivalso St. Apt. 2 Gambridge, Massachusetts 02139 Some ville, MA 02143
inventor, if any Inventor's Signature Residence Citizenship Mailing Address	Peter A. Carr Rutly Can Date 8/3/01 463 Putnam Avenue Apt. 1 37 Ivalos St. Apt. 2 Gambridge, Massachusette 02139 Somewille, MA 02143 USA
inventor, if any Inventor's Signature Residence Citizenship Mailing Address	Peter A. Carr Rutly Can Date 8/3/01 463 Putnam Avenue, Apt. 1 37 Ivalso St. Apt. 2 Gambridge, Massachusetts 02139 Somewille, MA 02143 USA Same as above
inventor, if any Inventor's Signature Residence Citizenship Mailing Address Full name of fifth joint inventor, if any	Peter A. Carr Butly Can Date 9/3/01 463 Putmam Avenue Apt. 1 37 Ivalos St. Apt. 2 Gambridge, Massachusetts 02139 Somewille, MA 02143 USA Same as above
inventor, if any Inventor's Signature Residence Citizenship Mailing Address Full name of fifth joint inventor, if any Inventor's Signature	Peter A. Carr Rutly Can Date 8/3/01 463 Putnam Avenue Apt. 1 37 Ivalso St. Apt. 2 Gambridge, Massachusetts 02139 Somewille, MA 02143 USA Same as above Peter S. Kim Date
inventor, if any Inventor's Signature Residence Citizenship Mailing Address Full name of fifth joint inventor, if any Inventor's Signature	Peter A. Carr Rutly Can Date 8/3/01 463 Putnam Avenue Apt. 1 37 Ivalso St. Apt. 2 Gambridge, Massachusetts 02139 Somewille, MA 02143 USA Same as above Peter S. Kim Date
inventor, if any Inventor's Signature Residence Citizenship Mailing Address Full name of fifth joint	Peter A. Carr Rutly Can Date 9/3/01 463 Putnam Avenue, Apt. 1 37 Ivalso St. Apt. 2 Gambridge, Massachusetts 02139 Somewille, MA 02143 USA Same as above Peter S. Kim Date 48 Baskin Road Lexington, Massachusetts 02420



(Application Number)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled Inhibitors of HIV Membrane Fusion the specification of which (check one) is attached hereto. [] [X] was filed on December 21, 2000 _ as United States Application Number or PCT International Application No._ (if applicable). and was amended on I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed: **Priority** Certified Prior Foreign Application(s) Not Copy Filed? Claimed YEŠ NO [] (Number) (Country) (Day/Month/Year filed) [(Number) (Country) (Day/Month/Year filed) I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. 60/132,295 (Application Number) September 18, 1998 60/101,058 (Filing Date) (Application Number) 60/100,265 September 14, 1998 (Application Number) (Filing Date) July 30, 1998 60/094,676

(Filing Date)

PCT/US99/17351		30 July 1999	Published
Application Serial No.		(Filing date)	(Status: patented, pending, abandoned)
Application Serial No.	.) .	(Filing date)	(Status: patented, pending, abandoned)
Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
Hamilton, Brook, Smi Customer No. 210 and <u>Patricia Gran</u>	ith & Reyn 05, 1ahan, Esq.	olds, P.C., Two Militia Dri	of Whitehead Institute for Biomedical Research,
	_		Patent and Trademark Office connected therewith.
•			raight and Trademark Office Connected therewith.
Please send corresp	pondence to) :	
[X] Customer No.		21005 HAMILTON, BROOK, S Two Militia Drive Lexington, MA 02421-4	SMITH & REYNOLDS, P.C.
[] Address as fol	lows:	•	
Direct telepho	ne calls to:	Anne J. Collins, Esq.	Telephone No.: 781-861-6240
Direct facsimi	les to:		
		Anne J. Collins, Esq.	Facsimile No.: 781-861-9540
I hereby decla on information and beli hat willful false statem	re that all st ef are belie ents and the United Stat	ratements made herein of my ved to be true; and further the like so made are punishables code and that such willfu	Facsimile No.: 781-861-9540 y own knowledge are true and that all statements made these statements were made with the knowledge by fine or imprisonment, or both, under Section all false statements may jeopardize the validity of the
I hereby declar on information and belith hat willful false statem 1001 of Title 18 of the	re that all st ef are belie ents and the United Stat	ratements made herein of my ved to be true; and further the like so made are punishables code and that such willfu	y own knowledge are true and that all statements made nat these statements were made with the knowledge e by fine or imprisonment, or both, under Section
I hereby declar on information and belic hat willful false statem 1001 of Title 18 of the application or any pater	re that all st ef are belie ents and the United Stat nt issued the	ratements made herein of my ved to be true; and further the like so made are punishables Code and that such willfur ereon.	y own knowledge are true and that all statements made nat these statements were made with the knowledge e by fine or imprisonment, or both, under Section
I hereby declar information and belicate that willful false statem 1001 of Title 18 of the application or any pater Full name of sole	re that all st ef are belie ents and the United Stat nt issued the	ratements made herein of my ved to be true; and further the like so made are punishables Code and that such willfur ereon.	y own knowledge are true and that all statements made nat these statements were made with the knowledge e by fine or imprisonment, or both, under Section
I hereby declar information and belich hat willful false statem 1001 of Title 18 of the application or any pater or first inventor	re that all st ef are belie ents and the United Stat nt issued the Debra M	ratements made herein of my ved to be true; and further the like so made are punishables Code and that such willfur ereon. M. Eckert	y own knowledge are true and that all statements made nat these statements were made with the knowledge e by fine or imprisonment, or both, under Section all false statements may jeopardize the validity of the
I hereby declar information and belich that willful false statem 1001 of Title 18 of the application or any pater. Full name of sole or first inventor Residence	re that all st ef are belie ents and the United Stat nt issued the Debra M	ratements made herein of my ved to be true; and further the like so made are punishables Code and that such willfur ereon. M. Eckert	y own knowledge are true and that all statements made nat these statements were made with the knowledge e by fine or imprisonment, or both, under Section all false statements may jeopardize the validity of the
I hereby declar on information and belicate that willful false statem 1001 of Title 18 of the application or any pater Full name of sole or first inventor	re that all st ef are belie ents and the United Stat nt issued the Debra M 1622 M Cambrid USA	ratements made herein of my ved to be true; and further the like so made are punishables Code and that such willfur ereon. M. Eckert Sassachusetts Avenue dge, Massachusetts 02139	y own knowledge are true and that all statements made nat these statements were made with the knowledge e by fine or imprisonment, or both, under Section all false statements may jeopardize the validity of the

Full name of second joir	 nt	
inventor, if any		
Inventor's Signature		Date
Residence		
	Arcadia, California 91007	
Citizenship		
Mailing Address	Same as above	
Full name of third joint		
inventor, if any	Vladimir Malashkevich	
Inventor's Signature	12 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	Date
Residence	17 Hancock Street	
	Somerville, Massachusetts 02144	
Citizenship	Russian Federation	and the second s
Mailing Address	Same as above	No. 2 Section 1 Section 2
Full name of fourth joint		
inventor, if any	Peter A. Carr	
Inventor's Signature		Date
Residence	463 Putnam Avenue, Apt. 1	
	Cambridge, Massachusetts 02139	
Citizenship	USA	
Mailing Address	Same as above	
Full name of fifth joint		
inventor, if any	Peter S. Kim	
Inventor's Signature	MIN	Date 4/23/01
Residence	48 Baskin Road	
	Lexington, Massachusetts 02420	an error
	USA	
Citizenship		

 $:: ODMA \ MHODMA \ imanage; 212404; 1$